Application No.: 10/791,745   Docket No.: 4590-277

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of protecting information transmitted in a data transmission system, the information transmitted exchange being pieces of data having a format comprising of one or more headers and a data zone, wherein said method comprises the step of:

inserting into at least one header, of at least one EPB marker segment compatible with a format of the data exchanged; and

comprising redundancy data to detect and/or correct errors.

2. (Previously Presented) The method according to claim 1, wherein an EPB marker segment is positioned in a main header.

3. (Cancelled)

4. (Currently Presented) The method according to claim 1, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to the an error correction code specified in the a parameter of the EPB.

5. (Currently Amended) The method according to claim 1, comprising wherein several segments EPBi positioned or not positioned one after the other and protecting protect the data positioned after the header or headers.

2

6. (Currently Amended) The method according to claim 1, wherein the data transmitted have different levels of sensitivity to error, and the header comprising comprises several segments EPBi, one segment EPBi comprising an error correction code that is chosen substantially as a function of these the levels of sensitivity.

7. (Currently Amended) The method according to claim 1, wherein the data transmitted have different levels of sensitivity to errors, and the header comprising comprises several segments EPBi, the an error correction code within being the same for all the data transmitted.

8. (Previously Presented) The method according to claim 1, wherein the data are JPEG 2000 images.

9. (Currently Amended) A system of data transmission, the using a data transmission format comprising at least one header and payload data, wherein said system comprises:

at least one transmitter adapted to insert, into at least one header, of at least one EPB marker segment compatible with a format of the data transmitted and comprising redundancy data to detect and/or correct errors.

System   9

10. (Currently Amended) The method of claim 3, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to the an error correction code specified in the a parameter of the EPB.

11. (Previously Presented) The system of claim 9, wherein an EPB marker segment is positioned in a main header.

3

Application No.: 10/791,745   Docket No.: 4590-277

12. (Cancelled)

13. (Currently Amended) The system of claim 9, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to ~~the~~ an error correction code specified in ~~the~~ a parameter of the EPB.

14. (Currently Amended) The system of claim ~~12~~ 11, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to ~~the~~ an error correction code specified in ~~the~~ a parameter of the EPB.

15. (Currently Amended) The system of claim 9, ~~comprising~~ wherein several segments EPBI ~~positioned or not positioned one after the other and protecting~~ protect the data positioned after the header or headers.

16. (Currently Amended) The ~~system of~~ system of ~~method according to~~ claim 9, wherein the data transmitted have different levels of sensitivity to error, and the header ~~comprising~~ comprises several segments EPBi, one segment EPBi comprising an error correction code that is chosen substantially as a function of ~~these~~ the levels of sensitivity.

17. (Currently Amended) The ~~system of~~ system of ~~method according to~~ claim 9, wherein the data transmitted have different levels of sensitivity to errors, and the header ~~comprising~~ comprises several segments EPBI, ~~the~~ an error correction code within being the same for all the data transmitted.

18. (Previously Presented) The system of claim 9, wherein the data are JPEG 2000 images.

4